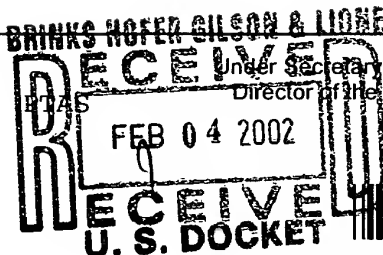




JANUARY 25, 2002

BRINKS HOFER GILSON & LIONE  
JONATHAN M. BLANCHARD  
P.O. BOX 10395  
CHICAGO IL 60610



Under Secretary of Commerce For Intellectual Property and  
Director of the United States Patent and Trademark Office  
Washington, DC 20231  
www.uspto.gov



\*101907343A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 11/26/2001

REEL/FRAME: 012332/0678  
NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
DORRIS, DAVID

DOC DATE: 10/22/2001

ASSIGNOR:  
MAZUMDER, ABHIJIT

DOC DATE: 10/22/2001

ASSIGNOR:  
SHIPPY, RICHARD D.

DOC DATE: 10/31/2001

ASSIGNEE:  
MOTOROLA  
4088 COMMERCIAL AVENUE  
MD IL 08/46  
NORTHBROOK, ILLINOIS 60062

RECEIVED

FEB 26 2003

SERIAL NUMBER: 09921045  
PATENT NUMBER:

FILING DATE: 08/02/2001  
ISSUE DATE:

TECH CENTER 1600/2900

012332/0678 PAGE 2

SHAREILL COLES, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

PATENTS ONLY

12-05-2001

PATENTS ONLY

TO 1

PATENTS

11-24-01

Please re

or copy thereof.

101907343

1. Name of Party(ies) conveying an interest:

2. Name and Address of Party(ies) receiving an interest:



David Dorris  
Abhijit Mazumder  
Richard D. Shippy



Name: MOTOROLA  
Internal Address: MD IL 08/46  
Street Address: 4088 Commercial Avenue  
City: Northbrook  
State/Zip: IL 60062

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

Additional name(s) and addresses attached?

☐ Yes ☒ No

3. Description of the interest conveyed:

☒ Assignment☐ Change of Name

Other:

☐ Security Agreement☐ Merger

Execution Date: October 22, 2001 and October 31, 2001

4. Application number(s) or patent number(s). Additional sheet attached? ☐ Yes ☒ No

If this document is being filed together with a new application, the execution date of the application is:

Date

A. Patent Application No.(s)

09/921,045

B. Patent No.(s)

10907

RECEIVED

FEB 26 2003

TECH CENTER 1600/2900

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

BRINKS HOFER GILSON & LIONE  
P.O. BOX 10395  
CHICAGO, IL 60610  
(312)321-4200

6. Number of applications and patents involved: 1

7. Total fee (37 CFR 3.41)

\$ 40

☒ Enclosed☐ Authorized to be charged to Deposit Account No. 23-19258. ☒ Please charge any deficiencies in fee or credit any overpayment to Deposit Account No. 23-1925.

DO NOT USE THIS SPACE

12/04/2001 LUNELLER 00000129 09921045

01 FC:581

40.00 OP

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Jonathan M. Blanchard, Ph.D.

Name of Person Signing

Signature

November 26, 2001

Date

Total number of pages including cover sheet, attachments, and document: 5

**ASSIGNMENT**

WHEREAS, David Dorris, Abhijit Mazumder and Richard D. Shippy, hereinafter called the "Assignors", have made the invention described in the United States patent application entitled RATIO-BASED OLIGONUCLEOTIDE PROBE SELECTION, for a full description of which reference is here made to an application for Letters Patent of the United States filed on August 2, 2001, and assigned Application Serial No. 09/921,045;

WHEREAS, Motorola, Inc., a corporation organized and existing under the laws of the State of Illinois, having a place of business at 1303 East Algonquin Road, Schaumburg, IL 60196, hereinafter called the "Assignee", desires to acquire the entire right, title and interest in and to the invention and the patent application identified above, and all patents which may be obtained for said invention, as set forth below;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other valuable and legally sufficient consideration, the receipt of which by the Assignors from the Assignee is hereby acknowledged, the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer to the Assignee, the entire right, title and interest for the United States in and to the invention and the patent application identified above, and any patents that may issue for said invention in the United States; together with the entire right, title and interest in and to said invention and all patent applications and patents therefor in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications and patents defined above; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for all such patents.

The Assignors hereby covenant and agree, for both the Assignors and the Assignors' legal representatives, that the Assignors will assist the Assignee in the prosecution of the patent application identified above; in the making and prosecution of any other patent applications that the Assignee may elect to make covering the invention identified above; in vesting in the Assignee like exclusive title in and to all such other patent applications and

patents; and in the prosecution of any interference which may arise involving said invention, or any such patent application or patent; and that the Assignors will execute and deliver to the Assignee any and all additional papers which may be requested by the Assignee to carry out the terms of this Assignment.

The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment.

IN TESTIMONY WHEREOF, the Assignors have executed this agreement.

DATED:

10/22/01

David Dorris  
David Dorris

DATED:

10/22/01

Abhijit Mazumder  
Abhijit Mazumder

DATED:

10/31/01

Richard D. Shippy  
Richard D. Shippy

STATE OF Illinois)  
) ss.  
COUNTY OF Cook)

I, TAMRA J. SMITH, A Notary Public in and for the County and State aforesaid, do hereby certify that David Dorris, personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he signed, sealed and delivered the said instrument as his free and voluntary act for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and Notarial Seal, this 22<sup>ND</sup> day of OCTOBER, 2001.



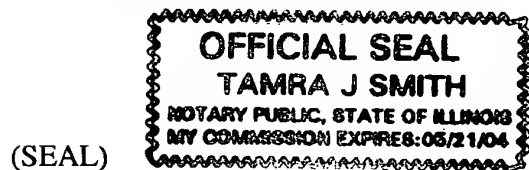
My Commission Expires: 5/21/2004

Tamra J. Smith  
Notary Public

STATE OF Illinois)  
) ss.  
COUNTY OF Cook)

I, TAMRA J. SMITH, A Notary Public in and for the County and State aforesaid, do hereby certify that Abhijit Mazumder, personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he signed, sealed and delivered the said instrument as his free and voluntary act for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and Notarial Seal, this 22<sup>ND</sup> day of OCTOBER, 2001.



My Commission Expires: 5/21/2004

Tamra J. Smith  
Notary Public

STATE OF ~~ARIZONA~~<sup>Illinois</sup>  
 ) ss.  
COUNTY OF ~~MARICOPA~~<sup>Cook</sup>

I, DINA T. CASTELAN-SAVAGE, A Notary Public in and for the County and State aforesaid, do hereby certify that Richard D. Shippy, personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he signed, sealed and delivered the said instrument as his free and voluntary act for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and Notarial Seal, this 31st day of October, 2001.

Dina T. Castelan-Savage  
Notary Public

(SEAL)

My Commission Expires: Sept 5, 2005





JANUARY 06, 2003

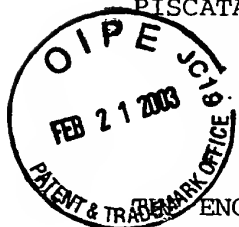
PTAS

Under Secretary of Commerce For Intellectual Property and  
Director of the United States Patent and Trademark Office  
Washington, DC 20231  
www.uspto.gov

AMERSHAM BIOSCIENCES CORP  
ROYAL N. RONNING, JR.  
800 CENTENNIAL AVENUE  
PISCATAWAY, NJ 08855



\*102238150A\*



UNITED STATES PATENT AND TRADEMARK OFFICE  
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PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE,  
ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY,  
SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 09/25/2002

REEL/FRAME: 013323/0940  
NUMBER OF PAGES: 9

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
MOTOROLA, INC.

DOC DATE: 07/18/2002

ASSIGNEE:  
AMERSHAM BIOSCIENCES AB  
BJORKGATAN 30  
UPPSALA, SWEDEN SE751-84

✓ SERIAL NUMBER: 09580744  
PATENT NUMBER:

FILING DATE: 05/26/2000  
ISSUE DATE:

✓ SERIAL NUMBER: 60155431  
PATENT NUMBER:

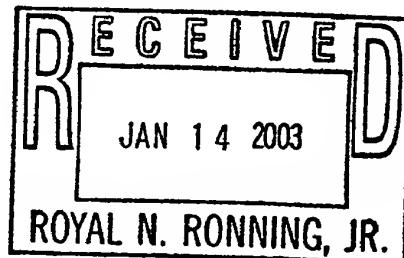
FILING DATE: 09/22/1999  
ISSUE DATE:

✱ SERIAL NUMBER: 10114903  
PATENT NUMBER:

FILING DATE: 04/01/2002  
ISSUE DATE:

✓ SERIAL NUMBER: 09439889  
PATENT NUMBER:

FILING DATE: 11/12/1999  
ISSUE DATE:





✓ SERIAL NUMBER: 09334217  
✓ PATENT NUMBER:

FILING DATE: 06/16/1999  
ISSUE DATE:

SERIAL NUMBER: 09464490  
PATENT NUMBER:

FILING DATE: 12/15/1999  
ISSUE DATE:

SERIAL NUMBER: 09605766  
PATENT NUMBER:

FILING DATE: 06/28/2000  
ISSUE DATE:

SERIAL NUMBER: 09492013  
PATENT NUMBER:

FILING DATE: 01/26/2000  
ISSUE DATE:

✓ SERIAL NUMBER: 09344620  
PATENT NUMBER: 6372813

FILING DATE: 06/25/1999  
ISSUE DATE: 04/16/2002

✓ SERIAL NUMBER: 09976986  
PATENT NUMBER:

FILING DATE: 10/11/2001  
ISSUE DATE:

✓ SERIAL NUMBER: 10025185  
PATENT NUMBER:

FILING DATE: 12/19/2001  
ISSUE DATE:

✓ SERIAL NUMBER: 09707823  
PATENT NUMBER: 6500921

FILING DATE: 11/07/2000  
ISSUE DATE: 12/31/2002

✓ SERIAL NUMBER: 09642863  
PATENT NUMBER:

FILING DATE: 08/21/2000  
ISSUE DATE:

✓ SERIAL NUMBER: 10022014  
PATENT NUMBER:

FILING DATE: 12/14/2001  
ISSUE DATE:

✓ SERIAL NUMBER: 10114908  
PATENT NUMBER:

FILING DATE: 04/01/2002  
ISSUE DATE:

✓ SERIAL NUMBER: 60950767  
PATENT NUMBER:

FILING DATE:  
ISSUE DATE:

✓ SERIAL NUMBER: 09946424  
PATENT NUMBER:

FILING DATE: 09/05/2001  
ISSUE DATE:

✓ SERIAL NUMBER: 09921045  
PATENT NUMBER:

FILING DATE: 08/02/2001  
ISSUE DATE:

✓ SERIAL NUMBER: 10131426  
PATENT NUMBER:

FILING DATE: 04/23/2002  
ISSUE DATE:

✓ SERIAL NUMBER: 09149506  
PATENT NUMBER: 6203985

FILING DATE: 09/08/1998  
ISSUE DATE: 03/20/2001

✓ SERIAL NUMBER: 09149507  
PATENT NUMBER: 5936730

FILING DATE: 09/08/1998  
ISSUE DATE: 08/10/1999

✓ SERIAL NUMBER: 09174605  
PATENT NUMBER: 6048699

FILING DATE: 10/19/1998  
ISSUE DATE: 04/11/2000

✓SERIAL NUMBER: 09174606	FILING DATE: 10/19/1998
PATENT NUMBER: 6096172	ISSUE DATE: 08/01/2000
✓SERIAL NUMBER: 08533825	FILING DATE: 09/26/1995
PATENT NUMBER: 5597182	ISSUE DATE: 01/28/1997
✓SERIAL NUMBER: 08634103	FILING DATE: 04/17/1996
PATENT NUMBER: 5671303	ISSUE DATE: 09/23/1997
✓SERIAL NUMBER: 08861927	FILING DATE: 05/22/1997
PATENT NUMBER: 5841914	ISSUE DATE: 11/24/1998
✓SERIAL NUMBER: 08901102	FILING DATE: 07/28/1997
PATENT NUMBER: 6103467	ISSUE DATE: 08/15/2000
✓SERIAL NUMBER: 08634082	FILING DATE: 04/17/1996
PATENT NUMBER: 5733509	ISSUE DATE: 03/31/1998
✓SERIAL NUMBER: 08951319	FILING DATE: 10/16/1997
PATENT NUMBER: 6013446	ISSUE DATE: 01/11/2000
✓SERIAL NUMBER: 08648635	FILING DATE: 05/13/1996
PATENT NUMBER: 5731152	ISSUE DATE: 03/24/1998
✓SERIAL NUMBER: 08838491	FILING DATE: 04/07/1997
PATENT NUMBER: 5948694	ISSUE DATE: 09/07/1999
✓SERIAL NUMBER: 08859513	FILING DATE: 05/20/1997
PATENT NUMBER: 6048691	ISSUE DATE: 04/11/2000

ANTTONE ROYALL, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

10-02-2002

Document No.: Motorola

EET

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

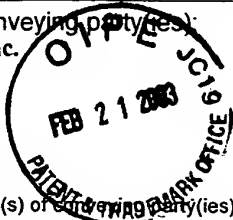
Tab settings → → → ▼



102238150

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):  
Motorola, Inc.



9-30-02

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

2. Name and address of receiving party(ies):

Name: Amersham Biosciences AB

Internal Address: \_\_\_\_\_

Street Address: Bjorkgatan 30

Uppsala, Sweden SE751-84

City: \_\_\_\_\_ State: \_\_\_\_\_ ZIP: \_\_\_\_\_

Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other \_\_\_\_\_

Execution Date: July 18, 2002

4. Application number(s) or patent numbers(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s)

B. Patent No.(s)

09/580,744      09/334,217      09/344,620  
60/155,431      09/464,490      09/976,986  
10/114,903      09/605,766      10/025,185  
09/439,889      09/492,013      09/707,823

6,203,985      5,597,182      5,733,509  
5,936,730      5,671,303      6,013,446  
6,048,699      5,841,914      5,731,152  
6,096,172      6,103,467      5,948,694

Additional numbers attached? ☒ Yes ☐ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Royal N. Ronning, Jr.

Internal Address: Amersham Biosciences Corp

10/02/2002 LIKELLER 00000019 500588 09580744

01 FEB 2003 1200.00 CH

Street Address: 800 Centennial Avenue

City: Piscataway State: NJ ZIP: 08855

6. Total number of applications and patents involved: 29

7. Total fee (37 CFR 3.41):.....\$ 40.00

☐ Enclosed - Any excess or insufficiency should be credited or debited to deposit account

☒ Authorized to be charged to deposit account

8. Deposit account number:

500-588

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Royal N. Ronning, Jr.

Name of Person Signing

Signature

September 25, 2002

Date

Total number of pages including cover sheet, attachments, and document: 12



**Continuation of Patent Application No.(s):**

09/642,863  
10/022,014  
10/114,908  
60/950,767  
09/946,424  
09/921,045  
10/131,426

**Continuation of Patent No.(s):**

6,048,691

## PATENT ASSIGNMENT AGREEMENT

THIS PATENT ASSIGNMENT AGREEMENT is entered into this 24th day of July 2002, by and between MOTOROLA, INC., a Delaware corporation (the "Assignor"), and AMERSHAM BIOSCIENCES AB, a corporation organized under the laws of Sweden (the "Assignee").

WHEREAS, the Assignor is the owner of certain new and useful inventions as described in the patent applications (whether pending or in the process of preparation) and patents listed in the attached Schedule (all such inventions, patents and patent applications collectively referred to as the "Patents"); and

WHEREAS, the Assignee, is desirous of acquiring, and Assignor is desirous of assigning to Assignee all of its right, title and interest in and to the Patents.

NOW, THEREFORE, in consideration of the premises and of the mutual covenants and conditions herein contained and for other good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, the parties hereto hereby agree as follows:

- I. Assignor hereby SELLS, ASSIGNS and CONVEYS unto Assignee all of its right, title, and interest to:
  - a. The Patents, including all U.S. and foreign counterparts and rights of priority thereto;
  - b. Any continuations, continuations-in-part (in whole or in part) filed by Assignee, divisionals, extensions, renewals, reissues, utility models, inventor's certificates and reexaminations issuing from the Patents and filed by the Assignee;
  - c. All rights of action to recover for past, present and future damages for infringement of said Patents subject to any licensing agreement of the Assignor set forth on Schedule 2.1.1(a) of the Intellectual Property Agreement of even date herewith; and
  - d. The right for the Assignee to register any of the Patents transferred to the Assignee in its own name.
2. Assignor shall cooperate with Assignee, at Assignee's request, to execute all documents and deeds that are reasonably necessary for giving full effect to the assignment contained herein.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of the day and year first above written.

MOTOROLA, INC.

AMERSHAM BIOSCIENCES AB

By: *Jonathan P. Meyer*  
Name: JONATHAN P. MEYER  
Title: SR. VICE PRESIDENT &  
ASST. GENERAL COUNSEL  
I.D. SECTION, LAW DEPT.

By: \_\_\_\_\_

Name:

Title:

THE STATE OF ILLINOIS 3

COUNTY OF COOK 3

Before me, the undersigned authority, on this 17<sup>th</sup> day of July, 2002 personally appeared JONATHAN P. MEYER, who being by me first duly sworn declared that he is the SR. V.P. + ASST. GEN'L COUNSEL of Motorola, Inc. and acknowledged to me that he executed the foregoing Assignment for the purposes therein expressed.



*Gabrielle Richards*

Notary Public

THE STATE OF 3

COUNTY OF 3

Before me, the undersigned authority, on this \_\_\_\_\_ day of July, 2002 personally appeared \_\_\_\_\_, who being by me first duly sworn declared that he is the \_\_\_\_\_ of Amersham Biosciences AB and acknowledged to me that he executed the foregoing Assignment for the purposes therein expressed.

(Notary Seal)

\_\_\_\_\_  
Notary Public

IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of the day and year first above written.

MOTOROLA, INC.

AMERSHAM BIOSCIENCES AB

By: \_\_\_\_\_

Name:

Title:

By: Andrew Carr

Name: Andrew Carr

Title: Authorized Signatory

THE STATE OF

3

3

COUNTY OF

3

Before me, the undersigned authority, on this \_\_\_\_\_ day of July, 2002 personally appeared \_\_\_\_\_, who being by me first duly sworn declared that he is the \_\_\_\_\_ of Motorola, Inc. and acknowledged to me that he executed the foregoing Assignment for the purposes therein expressed.

(Notary Seal)

\_\_\_\_\_  
Notary Public

THE STATE OF New Jersey

3

3

COUNTY OF Middlesex

3

Before me, the undersigned authority, on this 18<sup>th</sup> day of July, 2002 personally appeared Andrew Carr, who being by me first duly sworn declared that he is the Authorized Signatory of Amersham Biosciences AB and acknowledged to me that he executed the foregoing Assignment for the purposes therein expressed.

(Notary Seal)

Kim R. Novak

\_\_\_\_\_  
Notary Public

KIM R. NOVAK

Notary Public of New Jersey

My Commission Expires May 17, 2005

LIC. 2177995



Country	Patent No. Appl. No.	Status	Title
Australia	707952	Granted	MOLECULAR DETECTION APPARATUS AND METHOD USING OPTICAL WAVE
Australia	711411	Granted	METHOD AND SYSTEM FOR PERFORMING A BINDING ASSAY
Australia	56362/00	Filed	METHODS AND COMPOSITIONS FOR ATTACHMENT OF BIOMOLECULES TO SOLID SUPPORT HYDROGELS
Canada	2251942	Filed	MOLECULAR DETECTION APPARATUS AND METHOD USING OPTICAL WAVE
Canada	2260897	Filed	METHOD AND SYSTEM FOR PERFORMING A BINDING ASSAY
Canada	PCT/US00/17422	Filed	METHODS AND COMPOSITIONS FOR ATTACHMENT OF BIOMOLECULES TO SOLID SUPPORT HYDROGELS
France	9704604	Filed	MOLECULAR DETECTION APPARATUS AND METHOD USING OPTICAL WAVE
France	9704606	Granted	METHOD AND SYSTEM FOR SYNTHESIZING OLIGONUCLEOTIDES USING NUCLEODTIDE-SPECIFIC DISPENSING BARS
India	968/Del/1997	Filed	MOLECULAR DETECTION APPARATUS AND METHOD USING OPTICAL WAVE
India	977/Del/97	Filed	METHOD AND SYSTEM FOR SYNTHESIZING OLIGONUCLEOTIDES USING NUCLEODTIDE-SPECIFIC DISPENSING BARS
India	698/Del/97	Filed	METHOD AND SYSTEM FOR BIOLOGICAL REAGENT PLACEMENT
Japan	2000-576950	Filed	METHOD OF BONDING BIO-MOLECULE TO A TEST SITE
Japan	9-537158	Filed	METHOD AND SYSTEM FOR SYNTHESIZING OLIGONUCLEOTIDES USING NUCLEODTIDE-SPECIFIC DISPENSING BARS
Japan	10-550418	Filed	METHOD AND SYSTEM FOR PERFORMING A BINDING ASSAY





Country	Patent No. / Appl. No.	Status	Title
Japan	2001-507097	Filed	METHODS AND COMPOSITIONS FOR ATTACHMENT OF BIOMOLECULES TO SOLID SUPPORT HYDROGELS
Korea	10-2000-0013387	Filed	BIO-MOLECULE ANALYZER
Korea	10-2000-0015450	Filed	METHOD OF BONDING BIO-MOLECULE TO A TEST SITE
United States	6,203,985	Granted	BIO-MOLECULE ANALYZER
United States	5,936,730	Granted	BIO-MOLECULE ANALYZER
United States	6,048,699	Granted	METHOD OF FABRICATION BIOCHIP ARRAYS
United States	6,096,172	Granted	METHOD OF BONDING BIO-MOLECULE TO A TEST SITE
United States	09/580,744	Filed	METHOD OF BONDING BIO-MOLECULE TO A TEST SITE
United States	5,597,182	Granted	PERSONAL HUMAN ANATOMY CARD
United States	5,671,303	Granted	MOLECULAR DETECTION APPARATUS AND METHOD USING OPTICAL WAVE
United States	5,841,914	Granted	MOLECULAR DETECTION APPARATUS AND METHOD USING OPTICAL WAVE
United States	6,103,467	Granted	METHOD AND SYSTEM FOR SYNTHESIZING OLIGONUCLEOTIDES USING NUCLEOTIDE- SPECIFIC DISPENSING BARS
United States	5,733,509	Granted	METHOD AND SYSTEM FOR SYNTHESIZING OLIGONUCLEOTIDES USING NUCLEOTIDE- SPECIFIC DISPENSING BARS
United States	6,013,446	Granted	METHOD AND SYSTEM FOR BIOLOGICAL REAGENT PLACEMENT
United States	5,731,152	Granted	METHOD AND SYSTEM FOR BIOLOGICAL REAGENT PLACEMENT
United States	5,948,694	Granted	MOLECULAR DETECTION APPARATUS
United States	6,048,691	Granted	METHOD AND SYSTEM FOR PERFORMING A BINDING ASSAY



Country	Patent No. Appl. No.	Status	Title
United States	60/155,431	Filed	DIMENSIONAL MICRO-ARRAY SYSTEM FOR PARALLEL GENOTYPING OF SINGLE NUCLEOTIDE POLYMORPHISM
United States	10/114,903	Filed	SINGLE NUCLEOTIDE POLYMORPHISM BIOCHIP ANALYSIS
United States	09/439,889	Filed	MACROPOROUS MEDIA FOR BIOLOGICAL APPLICATION
United States	09/334,217 (Second appl. awaiting S/N from USPTO)	Filed	POLYACRYLAMIDE HYDROGELS
United States	09/464,490 09/605,766 09/492,013	Filed	METHOD AND APPARATUS FOR PERFORMING BIOLOGICAL REACTIONS ON A SUBSTRATE SURFACE
United States	09/344,620	Filed	METHODS AND COMPOSITIONS FOR ATTACHMENT OF BIOMOLECULES TO SOLID SUPPORT HYDROGELS
United States	09/976,986 10/025,185	Filed	USE AND EVALUATION OF 2+2 PHOTOADDITION IN IMMOBILIZATION OF OLIGONUCLEOTIDES ON A THREE DIMENSIONAL HYDROGEL MATRIX
United States	09/707,823	Filed	SCHIFF BASE REDUCTANT CODISPENSE PROCESS
United States	09/642,863	Filed	BINDING ARRAYS
United States	10/022,014	Filed	POST-SYNTHESIS LABELING OF NUCLEIC ACIDS
United States	10/114,908	Filed	P450 SINGLE NUCLEOTIDE POLYMORPHISM BIOCHIP ANALYSIS
United States	60/950,767	Filed	RCA APPLICATION
United States	09/946,424	Filed	ARRAY USING MICROSPHERES
United States	09/921,045	Filed	RATIO-BASED OLIGONUCLEOTIDE PROBE SELECTION
Taiwan	NI-118637	Granted	MOLECULAR DETECTION APPARATUS AND METHOD USING OPTICAL WAVE



Registered Patent Office	Appl. No.	Status	Title
European Patent Office	99953162.7	Filed	METHOD OF BONDING BIO-MOLECULE TO A TEST SITE
European Patent Office	97921108.3	Filed	MOLECULAR DETECTION APPARATUS AND METHOD USING OPTICAL WAVE
European Patent Office	9892372.1	Filed	METHOD AND SYSTEM FOR PERFORMING A BINDING ASSAY
European Patent Office	941693.4	Filed	METHODS AND COMPOSITIONS FOR ATTACHMENT OF BIOMOLECULES TO SOLID SUPPORT HYDROGELS
Patent Cooperation Treaty	US/00/25988	Filed	DIMENSIONAL MICRO-ARRAY SYSTEM FOR PARALLEL GENOTYPING OF SINGLE NUCLEOTIDE POLYMORPHISM
Patent Cooperation Treaty	US/00/42053	Filed	MACROPOROUS MEDIA FOR BIOLOGICAL APPLICATION
Patent Cooperation Treaty	US/00/34145	Filed	METHOD AND APPARATUS FOR PERFORMING BIOLOGICAL REACTIONS ON A SUBSTRATE SURFACE
Patent Cooperation Treaty	US/01/02664	Filed	METHOD AND APPARATUS FOR PERFORMING BIOLOGICAL REACTIONS ON A SUBSTRATE SURFACE
Patent Cooperation Treaty	US/01/24894	Filed	USE AND EVALUATION OF 2+2 PHOTOADDITION IN IMMOBILIZATION OF OLIGONUCLEOTIDES ON A THREE DIMENSIONAL HYDROGEL MATRIX
Patent Cooperation Treaty	US/01/41912	Filed	SCHIFF BASE REDUCTANT CODISPENSE PROCESS

**CERTIFICATE OF MAILING BY FIRST CLASS MAIL (37 CFR 1.8)**Applicant(s): **Amersham Biosciences AB**

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Group Art Unit

**Various**Invention: **Various**

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